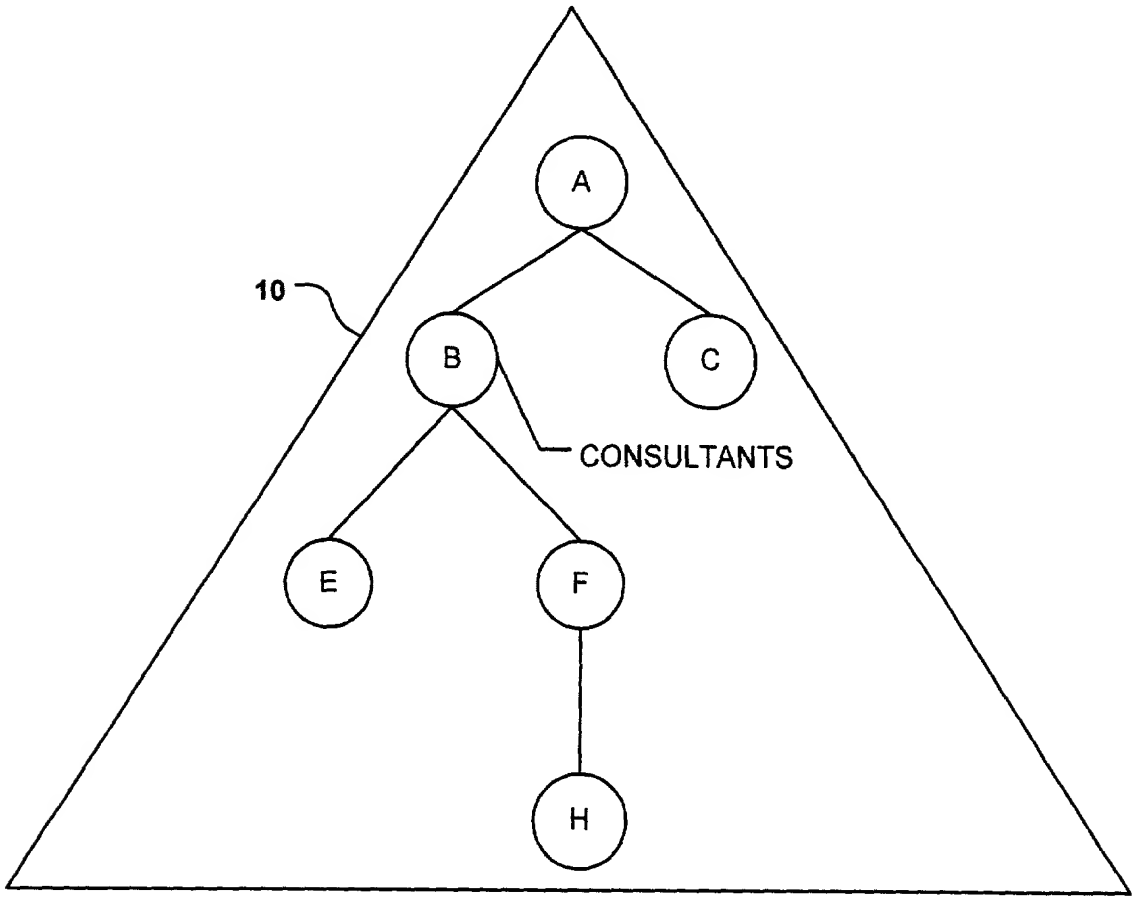

Fig. 1

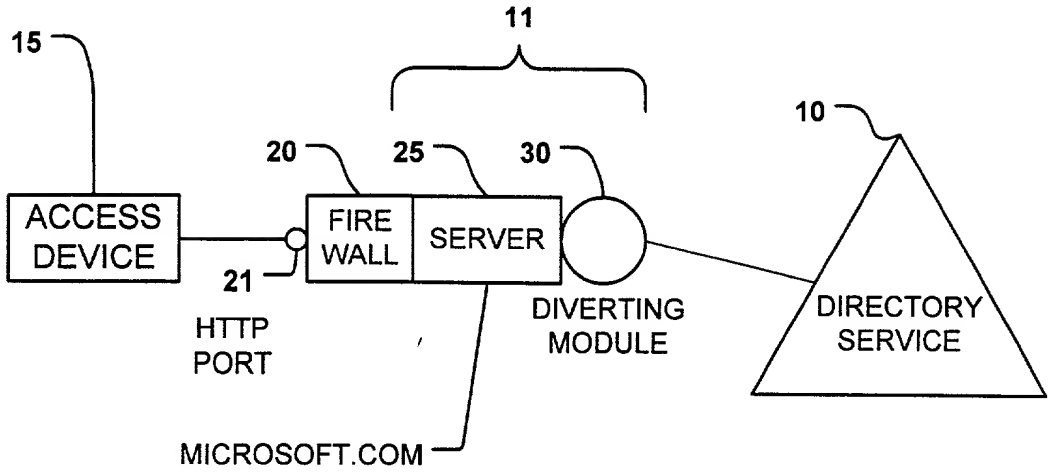
11
15
10
20
25
30
ACCESS DEVICE
FIRE WALL
SERVER
21
HTTP PORT
DIVERTING MODULE
DIRECTORY SERVICE
MICROSOFT.COM

Fig. 2

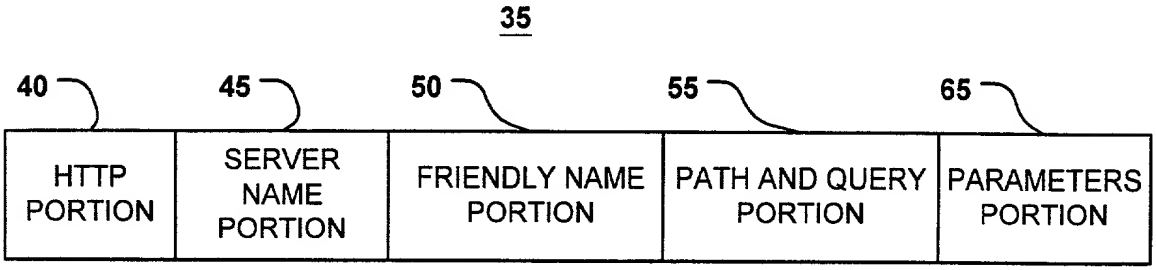
35
40
45
50
55
65
HTTP PORTION
SERVER NAME PORTION
FRIENDLY NAME PORTION
PATH AND QUERY PORTION
PARAMETERS PORTION

Fig. 3

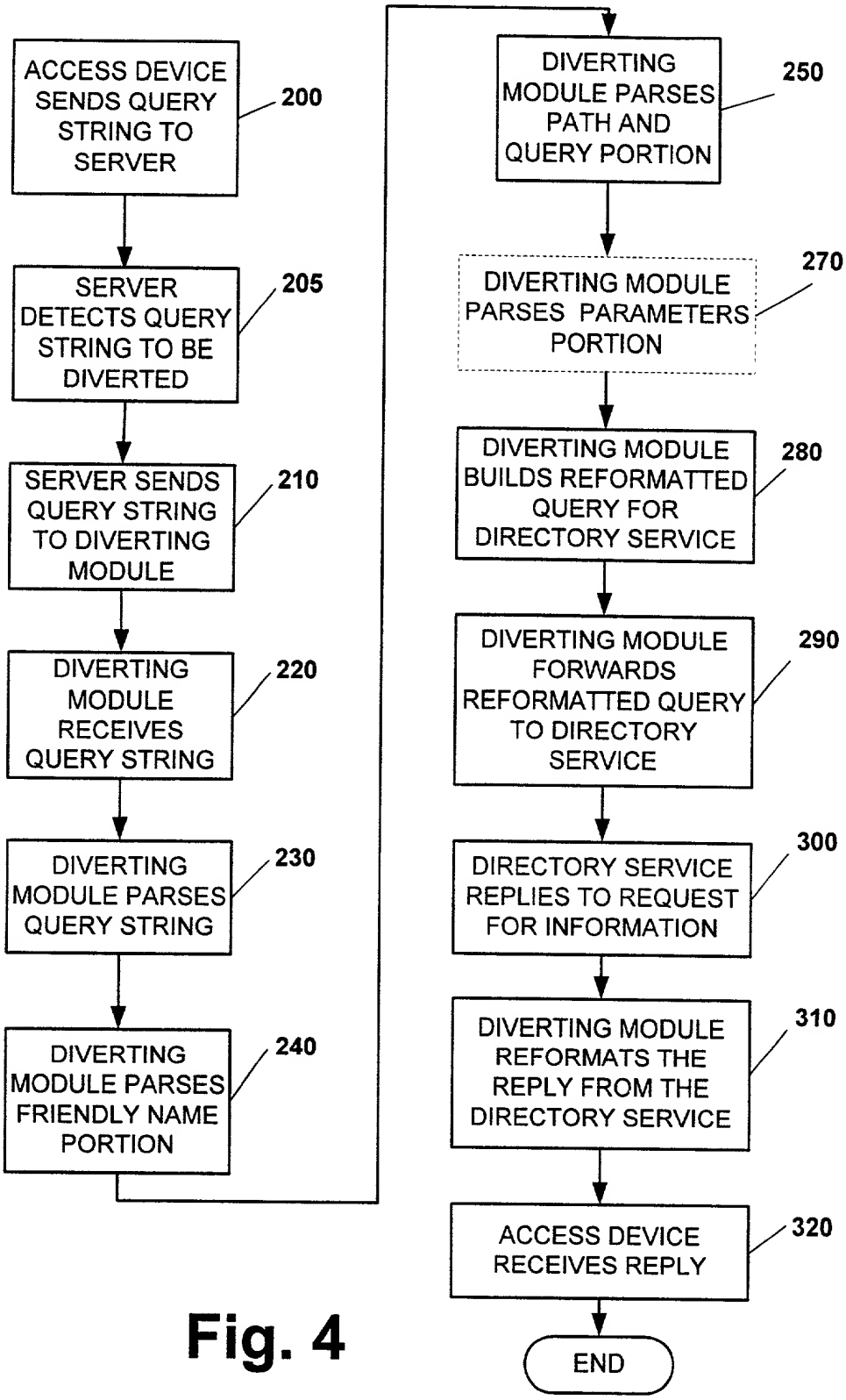
ACCESS DEVICE SENDS QUERY STRING TO SERVER
200
SERVER DETECTS QUERY STRING TO BE DIVERTED
205
SERVER SENDS QUERY STRING TO DIVERTING MODULE
210
DIVERTING MODULE RECEIVES QUERY STRING
220
DIVERTING MODULE PARSES QUERY STRING
230
DIVERTING MODULE PARSES FRIENDLY NAME PORTION
240
DIVERTING MODULE PARSES PATH AND QUERY PORTION
250
DIVERTING MODULE PARSES PARAMETERS PORTION
270
DIVERTING MODULE BUILDS REFORMATTED QUERY FOR DIRECTORY SERVICE
280
DIVERTING MODULE FORWARDS REFORMATTED QUERY TO DIRECTORY SERVICE
290
DIRECTORY SERVICE REPLIES TO REQUEST FOR INFORMATION
300
DIVERTING MODULE REFORMATS THE REPLY FROM THE DIRECTORY SERVICE
310
ACCESS DEVICE RECEIVES REPLY
320
END

Fig. 4

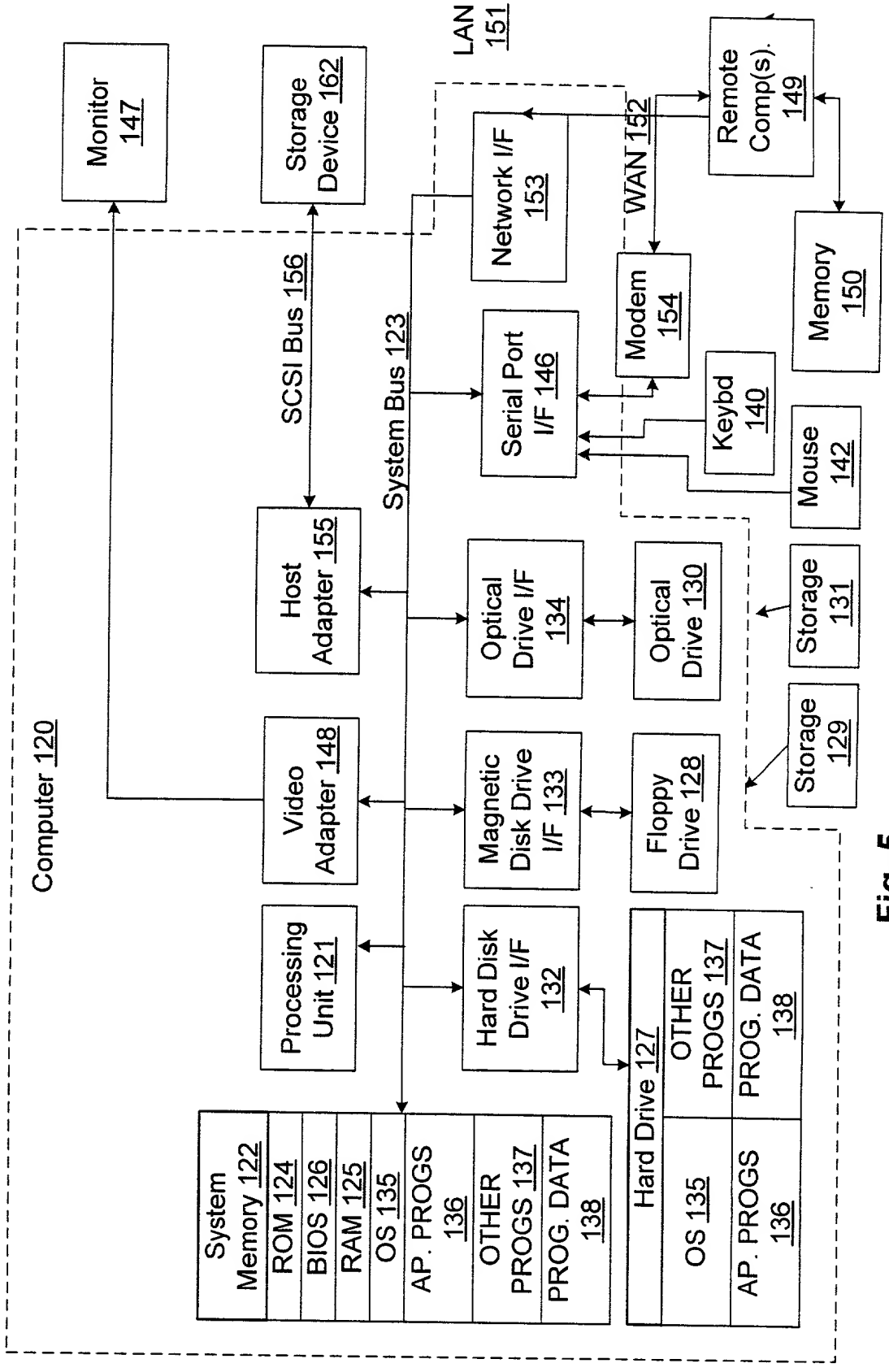
Computer 120
Monitor 147
Storage Device 162
LAN 151
Remote Comp(s). 149
Network I/F 153
WAN 152
Memory 150
Modem 154
SCSI Bus 156
System Bus 123
Serial Port I/F 146
Keybd 140
Mouse 142
Host Adapter 155
Optical Drive I/F 134
Optical Drive 130
Storage 131
Video Adapter 148
Magnetic Disk Drive I/F 133
Floppy Drive 128
Storage 129
Processing Unit 121
Hard Disk Drive I/F 132
System Memory 122
ROM 124
BIOS 126
RAM 125
OS 135
AP. PROGS 136
OTHER PROGS 137
PROG. DATA 138
Hard Drive 127
OS 135
AP. PROGS 136
OTHER PROGS 137
PROG. DATA 138

Fig. 5